

## EAST Search History

| Ref # | Hits   | Search Query  | DBs                          | Default Operator | Plurals | Time Stamp       |
|-------|--------|---|------------------------------|------------------|---------|------------------|
| S1    | 1      | "20040165679"   | US-PGPUB;<br>USPAT           | OR               | ON      | 2007/03/13 10:42 |
| S2    | 185    | (data recovery) same (high-speed adj serial adj link)   | US-PGPUB;<br>USPAT           | OR               | ON      | 2007/03/08 11:09 |
| S3    | 19     | (data adj recovery) same (high-speed adj serial adj link)   | US-PGPUB;<br>USPAT           | OR               | ON      | 2007/03/08 11:18 |
| S4    | 154760 | (clock adj2 signal)   | US-PGPUB;<br>USPAT           | OR               | ON      | 2007/03/08 11:29 |
| S5    | 1067   | S4 and (375/316)  | US-PGPUB;<br>USPAT           | OR               | ON      | 2007/03/08 11:31 |
| S6    | 1042   | (clock adj2 signal) with (data adj recover\$4)  | US-PGPUB;<br>USPAT           | OR               | ON      | 2007/03/08 11:30 |
| S7    | 31     | S6 and (375/316)  | US-PGPUB;<br>USPAT           | OR               | ON      | 2007/03/08 12:46 |
| S8    | 16     | ("20020064425"   "20020131539"   "20030123594"   "3608660"   "4018190"   "4040566"   "4164149"   "5020078"   "5137353"   "5216391"   "5576065"   "6107691"   "6295327"   "6366225"   "6704355"   "7016449").PN.                         | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/03/08 12:48 |
| S9    | 10     | ("20030108134"   "20040085995"   "20040109509"   "4486739"   "5974464"   "6198413"   "6538584"   "6614369"   "6696988"   "6917312").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/03/08 12:57 |
| S10   | 2382   | (clock adj signal\$1) same (differ\$3 adj phase\$1)   | US-PGPUB;<br>USPAT           | OR               | ON      | 2007/03/08 13:05 |
| S11   | 33     | S10 and (375/316)   | US-PGPUB;<br>USPAT           | OR               | ON      | 2007/03/08 13:05 |
| S12   | 19     | ("5506875"   "5511100"   "5844436"   "5898744"   "5953386"   "6002279"   "6041090"   "6052034"   "6058151"   "6075416"   "6075825"   "6122336"   "6166572"   "6222419"   "6259755"   "6285261"   "6317005"   "6795510"   "6901126").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/03/08 14:11 |
| S13   | 0      | (clock adj signal\$1) same (select\$3 near circuit) same (differ\$3 adj pahse\$1)   | US-PGPUB;<br>USPAT           | OR               | ON      | 2007/03/08 14:13 |
| S14   | 4617   | (clock adj signal\$1) same (select\$3 near circuit)   | US-PGPUB;<br>USPAT           | OR               | ON      | 2007/03/08 14:13 |

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|     |       |   |                    |    |    |                  |
|-----|-------|---|--------------------|----|----|------------------|
| S15 | 781   | (clock adj signal\$1) same<br>(generat\$3 adj circuit) same<br>(select\$3 near circuit) | US-PGPUB;<br>USPAT | OR | ON | 2007/03/08 14:14 |
| S16 | 638   | (clock adj signal\$1) same<br>(generat\$3 adj circuit) same<br>(select\$3 adj circuit)  | US-PGPUB;<br>USPAT | OR | ON | 2007/03/08 14:14 |
| S17 | 97    | S16 and (differ\$3 adj phase\$1)  | US-PGPUB;<br>USPAT | OR | ON | 2007/03/08 14:18 |
| S18 | 1     | S17 and (375/316)   | US-PGPUB;<br>USPAT | OR | ON | 2007/03/08 14:18 |
| S19 | 0     | (PLL or Phase adj locked adj loop)<br>same (OSR) same (deffer\$3 adj<br>phase\$1)       | US-PGPUB;<br>USPAT | OR | ON | 2007/03/08 16:44 |
| S20 | 0     | (PLL or (Phase adj locked adj loop))<br>near (OSR) near (deffer\$3 adj<br>phase\$1)     | US-PGPUB;<br>USPAT | OR | ON | 2007/03/08 16:47 |
| S21 | 0     | (PLL) near (OSR) near (deffer\$3 adj<br>phase\$1)                                       | US-PGPUB;<br>USPAT | OR | ON | 2007/03/08 16:48 |
| S22 | 842   | (OSR)   | US-PGPUB;<br>USPAT | OR | ON | 2007/03/08 16:48 |
| S23 | 42    | S22 and (PLL)   | US-PGPUB;<br>USPAT | OR | ON | 2007/03/08 16:48 |
| S24 | 8     | S23 and (differ\$3 adj phase\$1)  | US-PGPUB;<br>USPAT | OR | ON | 2007/03/08 16:55 |
| S25 | 1     | (sub-clock) same (OSR) same (clock<br>adj signal)                                       | US-PGPUB;<br>USPAT | OR | ON | 2007/03/08 16:57 |
| S26 | 13    | (clock) same (OSR) same (clock adj<br>signal)   | US-PGPUB;<br>USPAT | OR | ON | 2007/03/08 16:57 |
| S27 | 0     | (multiple near clock\$1) same (PLL)<br>same (OSR)                                       | US-PGPUB;<br>USPAT | OR | ON | 2007/03/12 10:17 |
| S28 | 14    | (multiple near clock\$1) same (PLL)<br>same (OSR or oversampl\$3)                       | US-PGPUB;<br>USPAT | OR | ON | 2007/03/12 10:31 |
| S29 | 13    | ("6111712").URPN.   | USPAT              | OR | ON | 2007/03/12 10:29 |
| S30 | 2     | (second near clock\$1) same (PLL)<br>same (OSR or oversampl\$3)                         | US-PGPUB;<br>USPAT | OR | ON | 2007/03/12 10:36 |
| S31 | 64    | (second near clock\$1) same (OSR or<br>oversampl\$3)                                    | US-PGPUB;<br>USPAT | OR | ON | 2007/03/12 11:14 |
| S32 | 24587 | (second near clock\$1)  | US-PGPUB;<br>USPAT | OR | ON | 2007/03/12 11:15 |
| S33 | 174   | S32 and (375/316)   | US-PGPUB;<br>USPAT | OR | ON | 2007/03/12 11:16 |
| S34 | 47    | S33 and (PLL)   | US-PGPUB;<br>USPAT | OR | ON | 2007/03/12 11:16 |

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|     |       |  |                 |    |    |                  |
|-----|-------|--|-----------------|----|----|------------------|
| S35 | 6     | (PLL or phase adj locked adj loop) near generat\$3 near (multiple near clock near signal\$2) | US-PGPUB; USPAT | OR | ON | 2007/03/12 14:31 |
| S36 | 0     | (sub\$1clock adj signal) near generat\$3 near (multiple near clock near signal\$2)           | US-PGPUB; USPAT | OR | ON | 2007/03/12 14:33 |
| S37 | 0     | (second adj clock adj signal) near generat\$3 near (multiple near clock near signal\$2)      | US-PGPUB; USPAT | OR | ON | 2007/03/12 14:34 |
| S38 | 55    | (clock adj signal) near generat\$3 near (multiple near clock near signal\$2)                 | US-PGPUB; USPAT | OR | ON | 2007/03/12 14:34 |
| S39 | 19776 | (CDR)  | US-PGPUB; USPAT | OR | ON | 2007/03/12 16:48 |
| S40 | 1     | S39 and (transition\$1detecting same adder same select\$3 same output)                       | US-PGPUB; USPAT | OR | ON | 2007/03/12 16:52 |
| S45 | 13    | S39 and (transition\$1detecting)   | US-PGPUB; USPAT | OR | ON | 2007/03/12 16:57 |
| S46 | 279   | S39 and (adder)  | US-PGPUB; USPAT | OR | ON | 2007/03/12 16:58 |
| S47 | 2     | S46 and (data adj select\$3 adj unit)  | US-PGPUB; USPAT | OR | ON | 2007/03/12 16:59 |
| S48 | 26    | S46 and (data adj select\$3)   | US-PGPUB; USPAT | OR | ON | 2007/03/12 17:00 |
| S49 | 1     | (CDR) near (detect\$3 adj unit)  | US-PGPUB; USPAT | OR | ON | 2007/03/13 10:46 |
| S50 | 0     | (CDR) near (adder adj unit)  | US-PGPUB; USPAT | OR | ON | 2007/03/13 10:47 |
| S51 | 2     | (CDR) with (adder adj unit)  | US-PGPUB; USPAT | OR | ON | 2007/03/13 10:51 |
| S52 | 0     | (CDR) same (add) same (select\$3 adj unit) same (output)                                     | US-PGPUB; USPAT | OR | ON | 2007/03/13 10:53 |
| S53 | 0     | (CDR) same add same (select\$3 adj unit) same (output)                                       | US-PGPUB; USPAT | OR | ON | 2007/03/13 10:53 |
| S54 | 0     | (CDR) near add same (select\$3 adj unit) same (output)                                       | US-PGPUB; USPAT | OR | ON | 2007/03/13 10:53 |
| S55 | 908   | (CDR) near (compris\$3)  | US-PGPUB; USPAT | OR | ON | 2007/03/13 10:54 |
| S56 | 1     | S55 and (transition adj detect\$2)   | US-PGPUB; USPAT | OR | ON | 2007/03/13 10:56 |
| S57 | 876   | S55 and (add\$3)   | US-PGPUB; USPAT | OR | ON | 2007/03/13 10:57 |
| S58 | 870   | S57 and (select\$3)  | US-PGPUB; USPAT | OR | ON | 2007/03/13 10:58 |

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|     |     |  |                    |    |     |                  |
|-----|-----|--|--------------------|----|-----|------------------|
| S59 | 0   | S58 and (count adj signal)   | US-PGPUB;<br>USPAT | OR | ON  | 2007/03/13 10:58 |
| S60 | 0   | S57 and (select\$3 adj unit)   | US-PGPUB;<br>USPAT | OR | ON  | 2007/03/13 10:59 |
| S61 | 1   | S57 and (select\$3 adj2 unit)  | US-PGPUB;<br>USPAT | OR | ON  | 2007/03/13 10:59 |
| S62 | 1   | ("6807233").PN.  | US-PGPUB;<br>USPAT | OR | OFF | 2007/03/13 14:05 |
| S63 | 17  | (first) same (second) same (third)<br>same (sub\$1clock)                           | US-PGPUB;<br>USPAT | OR | ON  | 2007/03/15 13:41 |
| S64 | 1   | (first) same (second) same (third)<br>same (sub\$1clock) same<br>(interpolator\$2) | US-PGPUB;<br>USPAT | OR | ON  | 2007/03/15 13:41 |
| S65 | 2   | (sub\$1clock adj signal) same<br>(interpolator\$2)                                 | US-PGPUB;<br>USPAT | OR | ON  | 2007/03/15 13:43 |
| S66 | 926 | (clock adj signal) same<br>(interpolator\$2)                                       | US-PGPUB;<br>USPAT | OR | ON  | 2007/03/15 13:51 |
| S67 | 19  | S66 and (375/316)  | US-PGPUB;<br>USPAT | OR | ON  | 2007/03/15 13:44 |
| S68 | 439 | (clock adj signal) near5<br>(interpolator\$2)                                      | US-PGPUB;<br>USPAT | OR | ON  | 2007/03/15 13:52 |
| S69 | 5   | S68 and (375/316)  | US-PGPUB;<br>USPAT | OR | ON  | 2007/03/15 13:51 |
| S70 | 2   | (sub\$1clock adj signal) near5<br>(interpolator\$2)                                | US-PGPUB;<br>USPAT | OR | ON  | 2007/03/15 13:53 |
| S71 | 439 | (clock adj signal) near5<br>(interpolator\$2)                                      | US-PGPUB;<br>USPAT | OR | ON  | 2007/03/15 14:16 |
| S72 | 0   | (clock adj signal) near5 (are) near<br>(interpolator\$2)                           | US-PGPUB;<br>USPAT | OR | ON  | 2007/03/15 14:08 |
| S73 | 439 | (clock adj signal) near5<br>(interpolator\$2)                                      | US-PGPUB;<br>USPAT | OR | ON  | 2007/03/15 14:05 |
| S74 | 0   | (clock adj signal) near5 (are) near5<br>(interpolator\$2)                          | US-PGPUB;<br>USPAT | OR | ON  | 2007/03/15 14:08 |
| S75 | 8   | (clock adj signal) near5 (is) near5<br>(interpolator\$2)                           | US-PGPUB;<br>USPAT | OR | ON  | 2007/03/15 14:08 |
| S76 | 262 | (clock adj signal\$2) adj5<br>(interpolator\$2)                                    | US-PGPUB;<br>USPAT | OR | ON  | 2007/03/15 14:16 |
| S77 | 112 | (clock adj signal\$2) adj2<br>(interpolator\$2)                                    | US-PGPUB;<br>USPAT | OR | ON  | 2007/03/15 14:20 |
| S78 | 48  | (clock adj signal\$2) adj1<br>(interpolator\$2)                                    | US-PGPUB;<br>USPAT | OR | ON  | 2007/03/15 14:19 |
| S79 | 48  | (clock adj signal\$2) adj<br>(interpolator\$2)                                     | US-PGPUB;<br>USPAT | OR | ON  | 2007/03/15 14:19 |

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|     |     |   |                    |    |     |                  |
|-----|-----|---|--------------------|----|-----|------------------|
| S80 | 1   | ("7103343").PN.   | US-PGPUB;<br>USPAT | OR | OFF | 2007/03/15 15:13 |
| S81 | 1   | (clock near2 group\$1) same (data<br>adj1 recovery) same (select\$3)  | US-PGPUB;<br>USPAT | OR | ON  | 2007/07/16 13:40 |
| S82 | 41  | ((clock near2 group\$1) same<br>(select\$3)) and (data adj1 recovery) | US-PGPUB;<br>USPAT | OR | ON  | 2007/07/16 14:24 |
| S83 | 123 | (clock near2 group\$1) and (data<br>adj1 recovery)                    | US-PGPUB;<br>USPAT | OR | ON  | 2007/07/16 14:25 |
| S84 | 9   | S83 and ((375/316) or (375/373) or<br>(375/355))                      | US-PGPUB;<br>USPAT | OR | ON  | 2007/07/16 14:26 |